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member being disposed in a coaxial relationship with said tubular housing member, a rotor at least partially enclosed by said tubular inner member, a drive shaft connected with said rotor, a first end wall connected with said tubular housing member and said tubular inner member, a first bearing disposed between said first end wall and said drive shaft, a second end wall connected with said tubular housing member and said tubular inner member, a second bearing disposed between said second end wall and said drive shaft, said first and second end walls and said tubular inner member cooperating to at least partially define a rotor chamber in which said rotor is disposed, said rotor being rotatably supported by said first and second bearings for rotation about a central axis of said rotor chamber, said tubular inner member and said tubular housing member cooperating with said first and second end walls to at least partially define a stator chamber in which said stator is disposed, said stator chamber extends around and is located radially outward of said rotor chamber, an annular capacitor disposed in said stator chamber in an axially spaced apart relationship with said stator, said annular capacitor extends around said rotor chamber, and a body of potting compound disposed in said stator chamber and at least partially enclosing said stator and said annular capacitor.

2. A motor unit as set forth in claim 1 wherein said first end wall at least partially defines an opening, a diaphragm is connected with said first end wall and extends across said opening, said diaphragm having an outer side surface which is exposed to the liquid in which the pump and motor unit

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are submerged and an inner side surface exposed to liquid in said rotor chamber.

3. A motor unit as set forth in claim 1 wherein said annular capacitor has a cylindrical inner surface which is coaxial with and is spaced apart from a cylindrical outer surface of said tubular inner member, said body of potting compound being at least partially disposed between said cylindrical inner surface of said annular capacitor and said cylindrical outer surface of said tubular inner member.

4. A motor unit as set forth in claim 3 wherein said annular capacitor has a cylindrical outer surface which is coaxial with and is spaced apart from a cylindrical inner surface of said tubular housing member, said body of potting compound being at least partially disposed between said cylindrical outer surface of said annular capacitor and said cylindrical inner surface of tubular housing member.

5. A motor unit as set forth in claim 4 wherein said annular capacitor has a first annular end surface which faces toward and is spaced apart from said stator and a second annular end surface which faces toward and is spaced apart from said second end wall, said body of potting compound being at least partially disposed between said first annular end surface of said annular capacitor and said stator, said body of potting compound being at least partially disposed between said second annular end surface of said annular capacitor and said second end wall.

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